AMENDMENTS TO THE CLAIMS

WHAT IS CLAIMED IS:

1.   (currently amended) A method for using a
database to develop a color product, said method
comprising:

storing development information in said database,
5   said development information including characteristics
related to development of a plurality of color products;

receiving first color information, said first color
information including at least a first color;

identifying first development information in said
10   database, said first development information including at
least said first color;

receiving at least one physical characteristic of
said color product; and

using said first development information to
15   determine whether said at least one physical
characteristic is compatible with said first color~~, and~~

,whereby development of the color product is either:

(a) halted if a physical characteristic is not

compatible with said first color, or

20   (b) a warning is issued via a user interface.

2.   (original) The method of claim 1, further comprising communicating said first development information between at least two color product development specialists.

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3.   (original) The method of claim 2, wherein said step of communicating said first development information comprises communicating a pointer to said development information.

4.   (original) The method of claim 1, wherein said received first color information is in a first format.

5.   (original) The method of claim 1, wherein at least one of said characteristics is a color characteristic.

6.   (original) The method of claim 5, wherein said step of storing said development information further includes storing said color characteristic in a plurality of formats.

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7. (original) The method of claim 6, wherein said plurality of formats comprise at least one of visual spectral data, CIEXYZ, CIELAB, CIELUV, CIEUVW, color space, chromaticity coordinates xy, u'v' and uv, computer

5   graphics triplets including RGB, CMYK, HLS, HIS, HSV and HVC, Munsell notation, Swedish Natural Color System notation, ColorCurve notation, RAL notation, Pantone color number, DIC color number, Color Marketing Group color name, and Color Association of the United States

10 color name.

8.   (original) The method of claim 1, further comprising translating said first color information from a first format to a second format.

9.   (original) The method of claim 8, further comprising:
communicating said first development information between at least two color product development specialists;

5   communicating said first development information to at least one of said at least two color product development specialists in a third format in response to at least one characteristic corresponding to at least one

of said at least two color product development

10 specialists; and

wherein said characteristic is a characteristic of a device used by at least one of said at least two color product development specialists to generate a visibly perceptible representation of said first color.

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10.   (original) The method of claim 9, wherein said third format is said first format.

11.   (original) The method of claim 1, further comprising generating a visibly perceptible representation of said first color in response to said first color information.

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12.   (original) The method of claim 1, wherein said characteristics include processes for incorporating a plurality of colors on said plurality of color products.

13.   (original) The method of claim 1, wherein said characteristics include at least one substrate characteristic used in said at least one color product.

14. (original) The method of claim 1, wherein said characteristics include an ability of said color product to resist at least one of water, solvent, acid, alkali, temperature, humidity, abrasion, crocking, bending, light, and ultraviolet radiation.

15. (original) The method of claim 14, further comprising generating a visibly perceptible representation of said first color in response to said at least one substrate characteristic.

16. (original) The method of claim 1, further comprising printing said color product using said first color.

17. (original) The method of claim 16, wherein said printing step comprises at least one of flexographic printing, offset printing, and gravure printing methods.

18. (original) The method of claim 1, wherein said receiving step comprises using a color measuring device.

19.   (original) The method of claim 18, wherein said color measuring device is a spectrocolorimeter.

20.   (original) The method of claim 1, further comprising selecting said first color information from a plurality of retrievable samples located in at least one electronic color library.

21.   (original) The method of claim 20, wherein said at least one electronic color library is set forth on at least one site processor.

22.   (original) The method of claim 1, further comprising communicating said first color information using a global communication network.

23.   (original) The method of claim 22, wherein said global communication network is the Internet.

24.   (original) The method of claim 1, further comprising communicating said first color information using a direct dial-up connection.

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25. (original) The method of claim 1, further comprising providing access to said database to at least two color product development specialists.

26. (original) The method of claim 25, wherein said at least two color product specialists include at least one of a customer, a designer, a color separator, a printer, an ink manufacturer, a customer, a formulation chemist, a color compounder, a plastics molder, a pigment manufacturer, a dye manufacturer, a dyer, a retailer, a garment designer, a textile designer, an architectural designer, an interior designer, a painting contractor, and a paint supplier.

27. (original) The method of claim 25, wherein said database comprises data entry display screens enabling said at least two color product development specialists to enter their respective contributions to said development of said color product.

28. (original) The method of claim 27, wherein said contributions relate to a development function performed

by said at least two color product development
specialists.

29.   (original) The method of claim 28, further
comprising providing choices in said data entry display
screens to said color product development specialists in
response to said compatibility of said at least one
5   physical characteristic with said first color.

30.   (canceled)

31.   (currently amended) The method of claim 30 29,
further comprising revising said color product
development in response to said compatibility of said at
least one physical characteristic with said first color.

32.   (original) The method of claim 28, further
comprising providing choices in said data entry display
screens to said color product development specialists in
response to said respective contributions to said
5   development of said color product.

33. (original) The method of claim 32, further comprising stopping said color product development in response to said respective contributions to said development of said color product.

34. (original) The method of claim 33, further comprising revising said color product development in response to said respective contributions to said development of said color product.

35. (currently amended) A method of coordinating development of a color product, said method comprising:

storing development information in at least one database set forth on at least one site processor, said

5   development information including characteristics related to development of a plurality of color products, said development information including processes for incorporating a plurality of colors on said plurality of color products;

10   receiving first color information from a first color product development specialist, said first color information including at least a first color;

identifying first development information in said at least one database, said first development information

15 including at least said first color;

receiving at least one physical characteristic of said first color product;

communicating said development information using a global communication network between at least two color

20 product development specialists; and

using said first development information to determine whether said at least one physical characteristic is compatible with said first color~~, and~~

,whereby development of the color product is either:

25 (a) halted if a physical characteristic is not compatible with said first color, or

(b) a warning is issued via a user interface.

36. (original) The method of claim 35, wherein at

30 least one of said characteristics is a color characteristic.

37. (original) The method of claim 36, wherein said step of storing said development information further

35   includes storing said color characteristic in a plurality

of formats.

38.   (original) The method of claim 37, wherein said

plurality of formats comprise at least one of visual

spectral data, CIEXYZ, CIELAB, CIELUV, CIEUVW, color

space, chromaticity coordinates xy, u'v' and uv, computer

5   graphics triplets including RGB, CMYK, HLS, HIS, HSV and

HVC, Munsell notation, Swedish Natural Color System

notation, ColorCurve notation, RAL notation, Pantone

color number, DIC color number, Color Marketing Group

color name, and Color Association of the United States

10   color name.

39.   (original) The method of claim 35, wherein said

identifying step comprises translating said first color

information from a first format to a second format.

40.   (original) The method of claim 39, further

comprising communicating said first development

information to a second color product development.

specialist in a third format in response to at least one

5   characteristic corresponding to said second color product

development specialist.

     41.   (original) The method of claim 40, wherein said

third format is said first format.

     42.   (original) The method of claim 35, further

comprising generating a visibly perceptible

representation of said first color in response to said

first color information.

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     43.   (original) The method of claim 35, further

comprising generating a visibly perceptible

representation of said first color product in response to

said at least one physical characteristic.

     44.   (original) The method of claim 35, further

comprising providing access to said at least one database

to said at least two color product developers.

     45.   (original) The method of claim 44, wherein said

database comprises data entry display screens enabling

said at least two color product development specialists

to enter respective contributions to said development of

5 said color product.

46. (original) The method of claim 45, further comprising providing choices in said data entry display screens to said color product development specialists in response to said compatibility of at least one physical

5 characteristic with said first color.

47. (original) The method of claim 45, further comprising providing choices in said data entry display screens to said color product development specialists in response to said respective contributions to said

5 development of said color product.

48. (original) The method of claim 35, wherein said at least two color product specialists include at least one of a customer, a designer, a color separator, a printer, an ink manufacturer, a customer, a formulation

5 chemist, a color compounder, a plastics molder, a pigment manufacturer, a dye manufacturer, a dyer, a retailer, a garment designer, a textile designer, an architectural

designer, an interior designer, a painting contractor, and a paint supplier.

49. (original) The method of claim 35, said receiving step further comprising using a color measuring device.

50. (original) The method of claim 49, wherein said color measuring device is a spectrocolorimeter.

51. (original) The method of claim 35, wherein said global communication network is the Internet.

52. (original) The method of claim 35, further comprising electronically communicating said first color information using a direct dial-up connection.

53. (currently amended) A system to develop a color product, said system comprising:

a database storing development information, said development information including characteristics related to development of a plurality of color products;

a first software facility receiving first color

information, said first color information including at

least a first color;

a second software facility identifying first

10   development information in said database, said first

development information including at least said first

color;

a third software facility receiving at least one

physical characteristic of said color product; and

15   a fourth software facility using said first

development information to determine whether said at

least one physical characteristic is compatible with said

first color; and

,whereby development of the color product is either:

20   (a) halted if a physical characteristic is not

compatible with said first color, or

(b) a warning is issued via a user interface.

54.   (original) The system of claim 53, further

comprising a communication network wherein at least two

color product development specialists communicate said

5 first development information using said communication
network.

55. (original) The system of claim 54, wherein said
communicated first development information includes a
pointer to said first development information.

56. (original) The system of claim 53, wherein said
received first color information is in a first format.

57. (original) The system of claim 53, wherein at
least one of said characteristics is a color
characteristic.

58. (original) The system of claim 57, wherein said
development information further includes said color
characteristic stored in a plurality of formats.

59. (original) The system of claim 58, wherein said
plurality of formats comprise at least one of visual
spectral data, CIEXYZ, CIELAB, CIELUV, CIEUVW, color
space, chromaticity coordinates xy, u'v' and uv, computer
5 graphics triplets including RGB, CMYK, HLS, HIS, HSV and

HVC, Munsell notation, Swedish Natural Color System

notation, ColorCurve notation, RAL notation, Pantone

color number, DIC color number, Color Marketing Group

color name, and Color Association of the United States

10   color name.

60.   (original) The system of claim 53, wherein said

first color information is translated from a first format

to a second format.

61.   (original) The system of claim 60, further

comprising:

a communication network wherein at least two color

product development specialists communicate said first

5   color development information using said communication

network; and

said first development information being in a third

format in response to at least one characteristic

corresponding to at least one of said at least two color

10   product development specialists, and wherein said

characteristic is a characteristic of a device used by at

least one of said at least two color product development

specialists to generate a visibly perceptible

representation of said first color.

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62.   (original) The system of claim 61, wherein said

third format is said first format.

63.   (original) The system of claim 53, further

comprising a fifth software facility for generating a

visibly perceptible representation of said first color in

response to said first color information.

64.   (original) The system of claim 53, wherein said

characteristics include at least one substrate

characteristic.

65.   (original) The method of claim 64, wherein said

characteristics include an ability of said color product

to resist at least one of water, solvent, acid, alkali,

temperature, humidity, abrasion, crocking, bending,

5   light, and ultraviolet radiation.

66.   (original) The system of claim 65, further

comprising a fifth software facility for generating a

visibly perceptible representation of said first color in response to said at least one substrate characteristic.

67. (original) The system of claim 53, further comprising a sixth software facility for printing said color product using said first color.

68. (original) The system of claim 67, wherein said sixth software facility provides for at least one of flexographic printing, offset printing, and gravure printing methods.

69. (original) The system of claim 53, wherein said third software facility further provides for using a color measuring device.

70. (original) The system of claim 69, wherein said color measuring device is at least one of a spectrocolorimeter, a spectrodensitometer, a colorimeter, and a spectrophotometer.

71. (original) The system of claim 53, wherein said second software facility further provides for selecting

said first color information from a plurality of retrievable samples located in at least one electronic color library.

72. (original) The system of claim 71, wherein said at least one electronic color library is set forth on at least one site processor.

73. (original) The system of claim 53, further comprising a global communication network for communicating said first color information.

74. (original) The system of claim 73, wherein said global communication network is the Internet.

75. (original) The system of claim 53, further comprising a direct dial-up connection for communicating said first color information.

76. (original) The system of claim 53, further comprising access to said database to at least two color product development specialists.

77. (original) The system of claim 76, wherein said at least two color product development specialists include at least one of a customer, a designer, a color separator, a printer, and an ink manufacturer.

78. (original) The system of claim 76, wherein said database comprises data entry display screens enabling said at least two color product development specialists to enter their respective contributions to said

5 development of said color product.

79. (original) The system of claim 78, wherein said data entry display screens provide choices in to said color product development specialists in response to said respective contributions to said development of said

5 color product.

80. (original) The system of claim 79, wherein at least one of said first, second, third and fourth software facility notifies said color product development specialists to stop development of said color product in

5 response to said respective contributions to said development of said color product.

81. (original) The system of claim 80, wherein said at least one of said first, second, third and fourth software facility notifies said color product development specialists to revise said development of said color

5   product in response to said respective contributions to said development of said color product.

82. (original) The system of claim 78, wherein said data entry display screens provide choices to said color product specialists in response to said compatibility of at least one physical characteristic with said first

5   color.

83. (canceled)

84. (currently amended) The system of claim 83 82, wherein said at least one of said first, second, third and fourth software facility notifies said color product development specialists to revise said development of

5   said color product in response to said compatibility of said at least one physical characteristic with said color.

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